

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 22114 (2) PCT	FOR FURTHER ACTION <div style="float: right; font-size: small;">see Form PCT/ISA/220 as well as, where applicable, item 5 below.</div>	
International application No. PCT/US2005/041714	International filing date (<i>day/month/year</i>) 14/11/2005	(Earliest) Priority Date (<i>day/month/year</i>) 12/11/2004
Applicant BATTELLE MEMORIAL INSTITUTE		

This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This international search report consists of a total of 4 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

a. With regard to the **language**, the international search was carried out on the basis of:

- ☒ the international application in the language in which it was filed
- ☐ a translation of the international application into _____, which is the language of a translation furnished for the purposes of international search (Rules 12.3(a) and 23.1(b))

b. ☐ With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, see Box No. I.

2. ☐ **Certain claims were found unsearchable** (See Box No. II)

3. ☐ **Unity of invention is lacking** (see Box No. III)

4. With regard to the **title**,

- ☒ the text is approved as submitted by the applicant
- ☐ the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

- ☒ the text is approved as submitted by the applicant
- ☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority

6. With regard to the **drawings**,

a. the figure of the **drawings** to be published with the abstract is Figure No. 1

- ☒ as suggested by the applicant
- ☐ as selected by this Authority, because the applicant failed to suggest a figure
- ☐ as selected by this Authority, because this figure better characterizes the invention

b. ☐ none of the figures is to be published with the abstract

INTERNATIONAL SEARCH REPORT

International application No
PCT/US2005/041714

A. CLASSIFICATION OF SUBJECT MATTER
INV. A62D3/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
A62D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, CHEM ABS Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	KIM, KWAN SOO ET AL.: "Selective oxidation of allylic and benzylic alcohols using potassium ferrate under phase transfer catalysis" SYNTHESIS, vol. 10, 1984, pages 866-868, XP002438865	1-8, 17-35
Y	page 867, left-hand column, paragraph 2	9-16
X	US 2003/146169 A1 (CIAMPI LEE EDWARD [US] ET AL) 7 August 2003 (2003-08-07) column 15, paragraph 214 column 15, paragraph 216	13-15
Y	EP 1 166 825 A (SANDIA CORP [US]) 2 January 2002 (2002-01-02) claims	9-16
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☒ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *G* document member of the same patent family

Date of the actual completion of the international search

25 June 2007

Date of mailing of the international search report

09/07/2007

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INTERNATIONAL SEARCH REPORT

national application No
PCT/US2005/041714

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	<p>DATABASE WPI Week 200479 Derwent Publications Ltd., London, GB; AN 2004-797547 XP002438867 & CN 1 524 595 A (HUAIYIN TEACHERS COLLEGE) 1 September 2004 (2004-09-01) abstract</p>	9-16
A	<p>----- US 2003/055245 A1 (TSENG WEI-HONG [TW] ET AL) 20 March 2003 (2003-03-20) -----</p>	

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/US2005/041714

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 2003146169	A1	07-08-2003	NONE	
EP 1166825	A	02-01-2002	AU 5694701 A	14-01-2002
			AU 763567 B2	24-07-2003
			AU 7220100 A	10-01-2002
			BR 0017275 A	06-05-2003
			CA 2328016 A1	29-12-2001
			CN 1455692 A	12-11-2003
			HK 1058492 A1	27-04-2007
			JP 2004501731 T	22-01-2004
			MX PA02012651 A	10-09-2004
			RU 2241509 C2	10-12-2004
			WO 0202192 A1	10-01-2002
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			CN 1537103 A	13-10-2004
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			US 2002183515 A1	05-12-2002